

Gas Leakage Sensor ZigBee Version Model: ZigBee-818 Version Number: V1.0



- 1 -

Product Description

This Smart Combustible Gas Sensor adopts extra low power consumption ZigBee wireless module. Used for detecting combustible gas leakage and preventing danger caused by gas leakage. ZigBee repeater, extend wireless transmission distance. Detector adopts high stability semi-conductor gas sensor, with high stability, small sensitivity drift and many other features. Detector alarms while gas density in air exceed alarm level. It is applicable for kitchen or possible gas leaking indoor area.

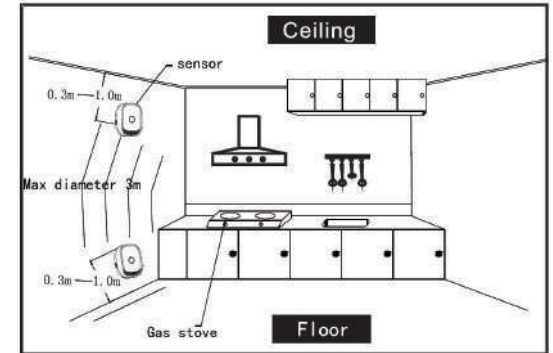
Electrical Specifications

Working Voltage: 110~230VAC 50HZ
Standby working current: 1.5W
Alarm Volume: 85dB/1m
Alarm Output: Relay Output (NC),
Control Output: 12V Solenoid valve output
Networking : Zigbee 3.0
Button: Test Mute button/ Test button.
Alarm Density:6%LEL±3%LEL(natural gas)
Working Temperature: -10~50°C.
Working Humidity: 10%~95% RH.

- 2 -

Functional Diagram

Before installation ,pls confirm the detecting gas density, heavier or lighter than air. If detecting gas is heavier than air:LPG., etc, install at 0.3-1m height from floor,semi-diameter to gas source less than 1.5m. If detecting gas is lighter than air:natural gas, Manufactured gas, marsh gas., etc, install at 0.3-1m height from ceiling, semi-diameter to gas source less than 1.5m.



- 3 -

Warm Prompt

- 1.Shell surface has a slight fever while working is a normal phenomenon.
- 2.Please dismantle detector while decorating house.
- 3.Avoid spraying aerosol around sensor.
- 4.Oil adhesion on gas convection window may effect the sensitivity of gas detector after long time using,Suggest users to clear gas convection window with brush mixing little detergent every 3 months (or based on specific oil pollution level). Don't let detergent enter detector's body. Please retest after clean.
- 5.Semi-conductor of gas detector supports 5-year lifespan, pls replace detectors timely.
- 6.Pls do not use lighter to test detectors in case of any damage to gas sensor.
- 7.For your safety, in addition to use detectors properly, pls be vigilant and enhance safety prevention awareness in daily life.

Using Instruction

Note:Power on the detector and preheat for 180 seconds, then press the Reset/Test button 5 seconds to the network configuration.

After warming up, press the RESET button and the device will enter the self-test, the buzzer will sound, and the three indicator lights will flash in turn, and then press the RESET button to stop the self-test

- 4 -

LED status indication

status	Light	Sound	Valve Output	Relay Output
test	Yellow, green and red led flash alternatively	Yes	Yes	Yes
Preheat	Yellow led flash	No	No	No
Fault	Solid yellow led	No	No	No
Standby	Green on (In network) , Green led flash (Not Configure network)	No	No	No
Alarm	Red led flash	Yes	Yes	Yes

Preparation for use

- 1.Mobile phone is connected to Wi-Fi
Ensure that the product is within the effective coverage of the smart host(gateway) ZigBee network to ensure an effective connection between the product and the smart host(gateway) ZigBee network.
*Make sure the smart host has been added.
2. Download and open the App
In the App Store,search for "Smart Life" or scan the QR code on the package/manual to download and install the smart App.

- 5 -

If you are downloading this App for the first time,please tap the "Register" button to register your account; If you already have an account, click the "Login" button.

- 3.Network settings
Please confirm that the battery is loaded while ensuring that the phone is connected to the network and the smart gateway has been added successfully;

Open the App and tap "Add sub-device" on the "Smart gateway" screen. Then , select "Gas Leakage Sensor"

Wiring instructions



SIG- : Solenoid valve negative electrode Out 1/Out2: Relay NC(NO)/COM
SIG+ : Solenoid valve positive electrode AC power: AC100V-240V input

- 6 -